

UIST Amendment to Sources Sought Special Notice

This is an amendment to the Sources Sought Special Notice 2011 NNA1112345L-SN2011 to seek partners specifically interested in developing competitive proposals in response to NASA's Unique and Innovative Space Technology (UIST) Broad Agency Announcement, NNH11ZUA001K, which was posted on March 1, 2011. The BAA is posted under "open solicitations" in NSPIRES at <http://nspires.nasaprs.com/>

Under this BAA, NASA is seeking technology that is innovative and unique and promises to enable revolutionary (game-changing) improvements to the efficiency and effectiveness of our country's space capability.

Responses to this Sources Sought amendment may be submitted at any time, as long as the BAA remains open, unless specified otherwise below. Responses to this Sources Sought amendment shall be submitted by email only to diane.alexander-1@nasa.gov. Please include UIST BAA in the subject line of the email. Responses shall: 1) Not exceed 15 pages total; **shorter responses are encouraged**; 2) Use an Arial font text with a size not smaller than 12 point; 3) Address all requirements listed; and 4) Provide a Point of Contact to address questions from NASA.

Participation in this partnering opportunity is open to all categories of U.S. and non-U.S. organizations, including educational institutions, industry, not-for-profit institutions, the Jet Propulsion Laboratory, as well as NASA Centers and other U.S. Government Agencies. Historically Black Colleges and Universities (HBCUs), Other Minority Universities (OMUs), small disadvantaged businesses (SDBs), veteran-owned small businesses, service disabled veteran-owned small businesses, HUBzone small businesses, and women-owned small businesses (WOSBs) are encouraged to apply. Participation by non-U.S. organizations is welcome but subject to NASA's policy of no exchange of funds, in which each government supports its own national participants and associated costs.

Responses may be submitted for the technology area described below.

Woven Materials for Space Applications. Specifically, ARC is interested in manufacturing techniques that could produce 3-D woven products with carbon, polymer and ceramic/oxide fibers. ARC is seeking a partner that is able to weave various configurations from small articles to large articles (5 m scale) with thicknesses ranging from 0.1 inch to 2 inches. Responders must explain their current capability limits and show that extensions of their manufacturing techniques are feasible for large articles and over a range of thicknesses including thicknesses up to 2 inches. Integrating woven components may require complex weaving architectures and need to leverage innovative manufacturing technology currently available across the industry and adopt them rather than undertake new development. Demonstrated capability to manufacture a 3-D woven structure with bias filler insertion is an example. Hence knowledge of structural

integration woven materials is highly desirable. Due date for responses to this technology area: June 13, 2011.

Other ARC technology interests may be added to this synopsis at a future date.

Responses to this amendment may also be considered for evaluation with regard to other opportunities announced in this synopsis or its updates, if responders so indicate. Similarly, organizations that submitted responses previously to this Sources Sought Special Notice 2011 may request that their response be re-evaluated for this UIST opportunity. In that case, please email diane.alexander-1@nasa.gov and indicate when the response was submitted previously and to what email address.

This ARC partnering opportunity does not guarantee selection for award of any contracts or other agreements, nor is it to be construed as a commitment by NASA to pay for the information solicited. The proposal partner(s) selected will provide the necessary resources to support proposal development, at no cost to NASA, including technical requirements, conceptual designs, technical data, proposal input, project schedules, and cost estimates by the required due dates. Final proposal inputs will be due to ARC prior to the final due date stated in the BAA, or as determined by ARC's proposal development team. Inability to adequately support proposal development will result in the partner being dropped from the proposal. If the proposal is subsequently selected by NASA HQ, ARC anticipates issuing contracts or other agreements to the selected partner(s) for performance of the proposed tasks.

ARC will evaluate responses to this amendment in accordance with the criteria in the Sources Sought Special Notice 2011 NNA1112345L-SN2011. ARC may contact organizations that respond to this amendment for clarification or further information.

Questions regarding this amendment may be directed to Rachel.Khattab@nasa.gov.